

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P221617

Luminaire Tested: **9003-W2-FL-LED3590-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3590-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

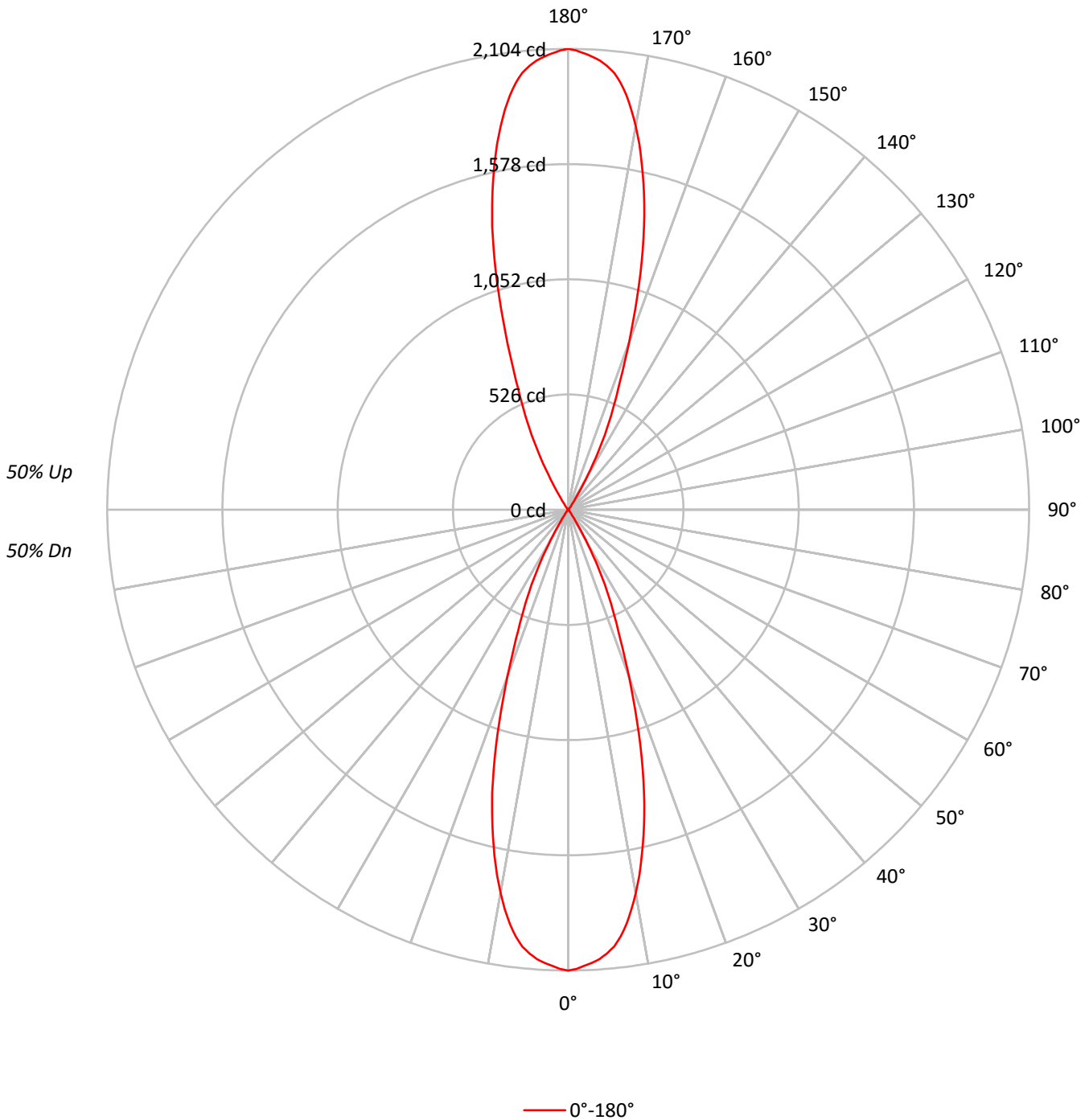
Lumens per Lamp: N/A
Luminaire Lumens: 1566.7 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	97	95	92	93	90	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67		62	60	59		52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62		58	56	55		50	49	48	44
4	84	76	71	66	78	72	67	63	63	60	57		55	53	51		48	47	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	42	39
7	72	62	56	52	67	59	54	50	54	50	47		48	45	43		43	41	40	38
8	68	59	53	49	64	56	51	47	51	47	44		46	43	41		42	40	38	36
9	65	56	50	46	61	53	48	45	49	45	42		44	41	39		40	38	37	35
10	62	53	47	44	59	51	46	42	46	43	40		42	40	38		39	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	461476
5°	447787
10°	395873
15°	303997
20°	189226
25°	106700
30°	40513
35°	8673
40°	3378
45°	1085
50°	887
55°	688
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	11.9
10°-20°	359.3	22.9
20°-30°	200.4	12.8
30°-40°	30.3	1.9
40°-50°	3.4	0.2
50°-60°	1.7	0.1
60°-70°	1.1	0.1
70°-80°	0.8	0.0
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.0
110°-120°	1.1	0.1
120°-130°	1.7	0.1
130°-140°	3.4	0.2
140°-150°	30.3	1.9
150°-160°	200.4	12.8
160°-170°	359.3	22.9
170°-180°	186.2	11.9
0°-30°	745.9	47.6
0°-40°	776.2	49.5
0°-60°	781.3	49.9
0°-90°	783.3	50.0
90°-120°	2.2	0.1
90°-150°	37.5	2.4
90°-180°	783.0	50.0
0°-180°	1566.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2104	
5°	2034	186
15°	1339	359
25°	441	200
35°	32	30
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	4	3
145°	32	30
155°	441	200
165°	1339	359
175°	2034	186
180°	2104	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2104.5
1°	2097.0
2°	2084.7
3°	2072.0
4°	2055.8
5°	2034.3
6°	2005.4
7°	1963.7
8°	1910.3
9°	1847.1
10°	1777.9
11°	1700.3
12°	1616.1
13°	1528.9
14°	1435.6
15°	1339.1
16°	1234.8
17°	1127.0
18°	1017.4
19°	912.6
20°	810.9
21°	716.7
22°	633.4
23°	563.3
24°	502.3
25°	441.0
26°	380.9
27°	322.6
28°	266.1
29°	211.7
30°	160.0
32.5°	64.0
35°	32.4
37.5°	20.2
40°	11.8
42.5°	4.4
45°	3.5
47.5°	2.6
50°	2.6
52.5°	2.2
55°	1.8
57.5°	1.8
60°	1.3
62.5°	1.3
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	1.3
117.5°	1.3
120°	1.3
122.5°	1.8
125°	1.8
127.5°	2.2
130°	2.6
132.5°	2.6
135°	3.5
137.5°	4.4
140°	11.8
142.5°	20.2
145°	32.4
147.5°	64.0
150°	160.0
151°	211.7
152°	266.1
153°	322.6
154°	380.9
155°	441.0
156°	502.3
157°	563.3
158°	633.4
159°	716.7
160°	810.9
161°	912.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1017.4
163°	1127.0
164°	1234.8
165°	1339.1
166°	1435.6
167°	1528.9
168°	1616.1
169°	1700.3
170°	1777.9
171°	1847.1
172°	1910.3
173°	1963.7
174°	2005.4
175°	2034.3
176°	2055.8
177°	2072.0
178°	2084.7
179°	2097.0
180°	2104.5

(END OF REPORT)